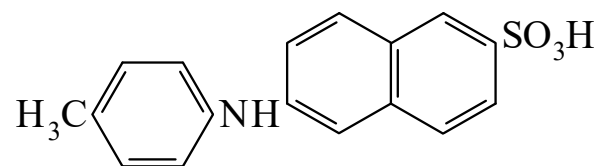




>>Entry Name: 6-[(4-Methylphenyl)amino]-2-naphthalenesulfonic acid, 9Cl

Synonym(s): 6-*p*-Toluidinyl-2-naphthalenesulfonic acid. TNS



CAS Registry Number: 7724-15-4

Related CAS Registry Numbers(s): 32752-10-6 53313-85-2

Molecular Formula: C₁₇H₁₅NO₃S

Molecular Weight: 313.376

Accurate Mass: 313.077264

Percentage Composition: C 65.16%; H 4.82%; N 4.47%; O 15.32%; S 10.23%

Use/Importance: Fluorescent probe for exploring hydrophobic regions of biol. molecules

Physical Description: Cryst. + 1H₂O or anhydr. (as K salt)

Fluka: 89653

>>Derivative: Cyclohexylamine salt (1:2)

Physical Description: Cryst.

Melting Point: Mp 238-239°

References:

McClure, W.O. *et al.*, *Biochemistry*, 1966, **5**, 1908, (*synth, props*)

Camerman, A. *et al.*, *J.A.C.S.*, 1970, **92**, 4200, (*struct*)

Kosower, E. *et al.*, *J.A.C.S.*, 1974, **96**, 5917; 6195; 1975, **97**, 2167, (*fluor*)

Keating-Nakamoto, S., *Biochemistry*, 1984, **23**, 3013, (*use*)

Nishijo, J. *et al.*, *Chem. Pharm. Bull.*, 1992, **40**, 2591, (*bibl*)